

Converting Colors

CIELCh(45, 27.362, 301.711)

Have a look what the booklet for
CIELCh(45, 27.362, 301.711)
contains.

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Color

CIELCh(45, 27.270, 301.991)

Conversions

Conversions Part 1

Format	Color
Hex	6F6491
RGB	111, 100, 145
RGB Percent	44%, 39%, 57%
CMY	0.5646, 0.6078, 0.4313
CMYK	0.23, 0.31, 0.00, 0.43
HSL	255°, 18%, 48%
HSV	255°, 31%, 57%
XYZ	16.2273, 14.5417, 28.7448
YIQ	108.4190, -7.8890, 16.3270

Conversions

Conversions Part 2

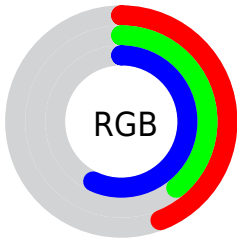
Format	Color
R_{YB}	111, 100, 145
Decimal	7300241
CIE _{Lab}	45.00, 14.45, -23.13
CIE _{LCh}	45, 27.270, 301.991
Yxy	14.5417, 0.2727, 0.2443
Android (android.graphics.Color)	4285490321 (0xFF6F6491)
YUV	108.4190, 18.0344, 2.2635
Hunter-Lab	38.1336, 9.2247, -17.9989

Details

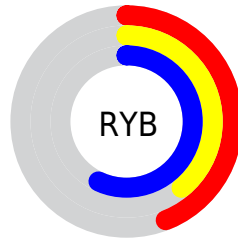
The CIELCh color `45, 27.270, 301.991` is a dark color, and the websafe version is hex `666699`. A complement of this color would be `58, 25.560, 117.783`, and the grayscale version is `46, 0.006, 296.813`.

A 20% lighter version of the original color is `65, 27.143, 301.640`, and `25, 27.299, 302.215` is the 20% darker color. If you saturate the color by 10%, you get `40, 36.678, 302.931`, and if you desaturate by 10%, it is `50, 18.154, 301.149`.

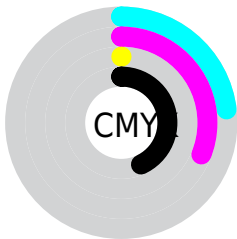
Distribution



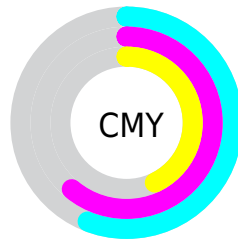
- Red (44%)
- Green (39%)
- Blue (57%)



- Red (44%)
- Yellow (39%)
- Blue (57%)



- Cyan (23%)
- Magenta (31%)
- Yellow (0%)
- Black (43%)



- Cyan (56%)
- Magenta (61%)
- Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 45, 27.270, 301.991 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the CIELCh color 45, 27.270, 301.991 by changing the saturation by 10% instead.

■ 45, 27.270,
301.991

■ 45, 27.270,
301.991

■ 100, 27.270,
301.991

■ 35, 27.270,
301.991

■ 65, 27.270,
301.991

■ 25, 27.270,
301.991

■ 75, 27.270,
301.991

■ 15, 27.270,
301.991

■ 85, 27.270,
301.991

■ 5, 27.270, 301.991

■ 95, 27.270,
301.991

■ 0, 27.270, 301.991

■ 45, 27.270,

■ 45, 27.270,

301.991

40, 36.678,
302.931

35, 46.316,
303.957

31, 56.026,
305.030

26, 65.484,
306.075

23, 74.103,
306.963

20, 81.003,
307.512

18, 85.850,
307.831

301.991

50, 18.154,
301.149

55, 9.354, 300.406

60, 0.865, 299.734

65, 7.323, 119.199

69, 15.226,
118.709

74, 22.861,
118.287

79, 30.246,
117.923

84, 37.394,
117.610

88, 44.322,

Harmonies

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



45, 27.270, 301.991



58, 25.560, 117.783

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



45, 27.270, 301.991



45, 27.270, 351.991



45, 27.270, 121.991



45, 27.270, 171.991

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



45, 27.269, 301.991



71, 9.430, 300.279



54, 13.414, 225.365



36, 6.547, 300.369



88, 0.010, 296.813



40, 0.006, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



45, 27.269, 301.991



54, 40.777, 302.614



47, 29.341, 318.075



28, 4.712, 300.277



16, 81.503, 307.884



0, 3.135, 299.696

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



48, 26.485, 334.170



59, 39.007, 334.658



57, 28.775, 135.295



28, 4.729, 332.674



30, 60.048, 340.579



1, 3.173, 332.129

Previews

White Background



This preview shows how the CIELCh color 45, 27.270, 301.991 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 45, 27.270, 301.991 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

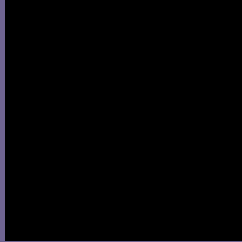
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 45, 27.270, 301.991

Background



This preview shows how black text looks on a background with the CIELCh color 45, 27.270, 301.991.



This preview shows how white text looks on a background with the CIELCh color 45, 27.270, 301.991.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color


45, 27.270, 301.991

Protanopia

45, 26.400, 285.065

Deuteranopia

45, 23.372, 285.774



Tritanopia
45, 4.787, 286.098

Trichromacy



Original Color
45, 27.270, 301.991

Protanomaly
45, 26.866, 291.656

Deuteranomaly
45, 24.494, 291.904

Tritanomaly
45, 12.631, 297.127

Monochromacy



Original Color
45, 27.270, 301.991

Achromatopsia
46, 0.006, 296.813

Achromatomaly
45, 9.707, 300.747

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 27.270, 301.991 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(111, 100, 145)` looks like.

```
.text, #text, p{  
    color:rgb(111, 100, 145)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(111, 100, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(111, 100, 145) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 27.270, 301.991 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(111, 100, 145) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(111, 100, 145) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(111, 100, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(111, 100, 145); -webkit-box-shadow:4px 4px 4px 4px rgb(111, 100, 145); box-shadow:4px 4px 4px 4px rgb(111, 100, 145) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 27.270, 301.991 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(111, 100, 145) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(111,  
100, 145) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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